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L10 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:670113 CAPLUS

DOCUMENT NUMBER: 131:281604

TITLE: Treatment of chemotherapeutic agent and antiviral agent toxicity with acylated pyrimidine nucleosides

INVENTOR(S): Von Borstel, Reid; Bamat, Michael K.

PATENT ASSIGNEE(S): Pro-Neuron, Inc., USA

SOURCE: U.S., 31 pp., Cont.-in-part U. S. Ser. 176,485.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 13

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5968914A	A	19991019	US 1995-472210	19950607
EP 712629	A1	19960522	EP 1995-203050	19881027
EP 712629	B1	20030618		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 10001436	A2	19980106	JP 1997-36734	19881027
JP 3474073	B2	20031208		
JP 2001192335	A2	20010717	JP 2000-379524	19881027
CA 2111571	AA	19930121	CA 1992-2111571	19920625
CA 2111571	C	20050823		
CA 2504078	AA	19930121	CA 1992-2504078	19920625
ES 2160579	T3	20011116	ES 1992-914215	19920625
ZA 9204975	A	19930428	ZA 1992-4975	19920703
IN 175688	A	19950812	IN 1992-CA473	19920706
US 5246708A	A	19930921	US 1992-911379	19920713
US 5470838A	A	19951128	US 1992-997657	19921230
US 5583117A	A	19961210	US 1993-140475	19931025
US 6020320A	A	20000201	US 1993-153163	19931117
US 5736531A	A	19980407	US 1993-176485	19931230
IN 177670	A	19970215	IN 1994-CA701	19940902
US 5770582A	A	19980623	US 1995-419767	19950410
US 5691320A	A	19971125	US 1995-465454	19950605 <--
US 6054441A	A	20000425	US 1995-463790	19950605
US 6060459A	A	20000509	US 1995-465016	19950605
US 6258795A	B1	20010710	US 1995-466145	19950606
US 6316426A	B1	20011113	US 1995-466144	19950606
US 6232298A	B1	20010515	US 1995-479519	19950607
US 6274563A	B1	20010814	US 1995-479349	19950607
US 6348451A	B1	20020219	US 1995-478736	19950607
US 6919320A	B1	20050719	US 1995-473331	19950607
CA 2223640	AA	19961219	CA 1996-2223640	19960606
WO 9640165	A1	19961219	WO 1996-US10067	19960606
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN				
AU 9661114	A1	19961230	AU 1996-61114	19960606
AU 724805	B2	20000928		
EP 831849	A1	19980401	EP 1996-918461	19960606
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI				
CN 1192149	A	19980902	CN 1996-195929	19960606
JP 10511689	T2	19981110	JP 1997-502184	19960606
JP 2003201240	A2	20030718	JP 2003-721	19960606
EP 1491201	A1	20041229	EP 2004-23557	19960606
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, AL				
US 2001025032	A1	20010927	US 1999-249790	19990216
US 6344447A	B2	20020205		

AU 9952624	A1	19991202	AU 1999-52624	19991001
US 6743782	B1	20040601	US 2000-494242	20000131
US 2004033981	A1	20040219	US 2003-601863	20030624
US 2004192635	A1	20040930	US 2004-824501	20040415
US 2004220134	A1	20041104	US 2004-855835	20040528
PRIORITY APPLN. INFO.:			US 1987-115923	B2 19871028
			US 1987-115929	B2 19871028
			US 1989-438493	B2 19890627
			US 1990-487984	B2 19900205
			US 1991-724340	B2 19910705
			US 1992-903107	B2 19920625
			US 1993-61381	B2 19930514
			US 1993-176485	A2 19931230
			US 1988-186031	B2 19880425
			EP 1988-910239	A3 19881027
			JP 1988-509176	A3 19881027
			JP 1994-303877	A3 19881027
			US 1989-341925	B1 19890421
			US 1990-533933	B1 19900605
			US 1990-438493	B2 19900626
			US 1991-653882	B2 19910208
			US 1991-737913	B3 19910729
			CA 1992-2111571	A3 19920625
			IN 1992-CA473	A1 19920706
			US 1992-911379	A3 19920713
			US 1992-925931	B2 19920807
			US 1992-958598	B3 19921007
			US 1992-987730	B2 19921208
			US 1992-997657	A3 19921230
			US 1993-96407	B1 19930726
			US 1993-98884	B1 19930729
			US 1993-153163	A1 19931117
			US 1993-158799	B2 19931201
			US 1994-266897	B3 19940701
			US 1994-289214	A3 19940812
			US 1995-419767	A3 19950410
			US 1995-463740	A1 19950605
			US 1995-472210	A 19950607
			AU 1995-29150	A3 19950630
			EP 1996-918461	A3 19960606
			JP 1997-502184	A3 19960606
			WO 1996-US10067	W 19960606
			US 2000-494242	A3 20000131

REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:236253 CAPLUS

DOCUMENT NUMBER: 128:266247

TITLE: Compositions of chemotherapeutic agent or antiviral agent with acylated pyrimidine nucleosides

INVENTOR(S): Von Borstel, Reid W.; Bamat, Michael K.

PATENT ASSIGNEE(S): Pro-Neuron, Inc., USA

SOURCE: U.S., 26 pp., Cont.-in-part of U.S. Ser. No. 61,381, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 13

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5736531	A	19980407	US 1993-176485	19931230
EP 712629	A1	19960522	EP 1995-203050	19881027
EP 712629	B1	20030618		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 10001436	A2	19980106	JP 1997-36734	19881027

JP 3474073	B2	20031208		
JP 2001192335	A2	20010717	JP 2000-379524	19881027
CA 2111571	AA	19930121	CA 1992-2111571	19920625
CA 2111571	C	20050823		
CA 2504078	AA	19930121	CA 1992-2504078	19920625
ES 2160579	T3	20011116	ES 1992-914215	19920625
ZA 9204975	A	19930428	ZA 1992-4975	19920703
IN 175688	A	19950812	IN 1992-CA473	19920706
US 5246708	A	19930921	US 1992-911379	19920713
US 5470838	A	19951128	US 1992-997657	19921230
US 5583117	A	19961210	US 1993-140475	19931025
US 6020320	A	20000201	US 1993-153163	19931117
IN 177670	A	19970215	IN 1994-CA701	19940902
US 5770582	A	19980623	US 1995-419767	19950410
US 5691320	A	19971125	US 1995-465454	19950605 <--
US 6054441	A	20000425	US 1995-463790	19950605
US 6060459	A	20000509	US 1995-465016	19950605
US 6258795	B1	20010710	US 1995-466145	19950606
US 6316426	B1	20011113	US 1995-466144	19950606
US 5968914	A	19991019	US 1995-472210	19950607
US 6232298	B1	20010515	US 1995-479519	19950607
US 6274563	B1	20010814	US 1995-479349	19950607
US 6348451	B1	20020219	US 1995-478736	19950607
US 6919320	B1	20050719	US 1995-473331	19950607
US 2001025032	A1	20010927	US 1999-249790	19990216
US 6344447	B2	20020205		
AU 9952624	A1	19991202	AU 1999-52624	19991001
US 6743782	B1	20040601	US 2000-494242	20000131
US 2004033981	A1	20040219	US 2003-601863	20030624
US 2004192635	A1	20040930	US 2004-824501	20040415
US 2004220134	A1	20041104	US 2004-855835	20040528

PRIORITY APPLN. INFO.:

US 1987-115923	B2	19871028
US 1987-115929	B2	19871028
US 1989-438493	B2	19890627
US 1990-487984	B2	19900205
US 1991-724340	B2	19910705
US 1992-903107	B2	19920625
US 1993-61381	B2	19930514
US 1988-186031	B2	19880425
EP 1988-910239	A3	19881027
JP 1988-509176	A3	19881027
JP 1994-303877	A3	19881027
US 1989-341925	B1	19890421
US 1990-533933	B1	19900605
US 1990-438493	B2	19900626
US 1991-653882	B2	19910208
US 1991-737913	B3	19910729
CA 1992-2111571	A3	19920625
IN 1992-CA473	A1	19920706
US 1992-911379	A3	19920713
US 1992-925931	B2	19920807
US 1992-958598	B3	19921007
US 1992-987730	B2	19921208
US 1992-997657	A3	19921230
US 1993-96407	B1	19930726
US 1993-98884	B1	19930729
US 1993-153163	A1	19931117
US 1993-158799	B2	19931201
US 1993-176485	A2	19931230
US 1994-266897	B3	19940701
US 1994-289214	A3	19940812
US 1995-419767	A3	19950410
US 1995-463740	A1	19950605
US 1995-472210	A1	19950607
AU 1995-29150	A3	19950630
US 2000-494242	A3	20000131

OTHER SOURCE(S):  
REFERENCE COUNT:

MARPAT 128:266247

34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS

L10 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1996:205056 CAPLUS

DOCUMENT NUMBER: 124:250921

TITLE: Pyrimidine nucleotide precursors for treatment of systemic inflammation and inflammatory hepatitis

INVENTOR(S): Von Borstel, Reid W.; Bamat, Michael K.; Hiltbrand, Bradley M.

PATENT ASSIGNEE(S): Pro-Neuron, Inc., USA

SOURCE: PCT Int. Appl., 95 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 13

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9601115	A1	19960118	WO 1995-US8259	19950630
W: AU, CA, CN, JP, KR, MX				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
IN 177670	A	19970215	IN 1994-CA701	19940902
US 5691320	A	19971125	US 1995-465454	19950605 <--
US 6232298	B1	20010515	US 1995-479519	19950607
CA 2193967	AA	19960118	CA 1995-2193967	19950630
AU 9529150	A1	19960125	AU 1995-29150	19950630
AU 712679	B2	19991111		
EP 768883	A1	19970423	EP 1995-924764	19950630
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CN 1156409	A	19970806	CN 1995-194806	19950630
JP 10505578	T2	19980602	JP 1996-503935	19950630
AU 9952624	A1	19991202	AU 1999-52624	19991001
US 2003212036	A1	20031113	US 2003-421831	20030424
US 2004033981	A1	20040219	US 2003-601863	20030624
US 2004220134	A1	20041104	US 2004-855835	20040528
PRIORITY APPLN. INFO.:				A 19940701
				B2 19871028
				B2 19890627
				B2 19900626
				A1 19920706
				B2 19921208
				B2 19931201
				A1 19950605
				A1 19950607
				A3 19950630
				W 19950630
				A3 20001101

L10 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1994:549080 CAPLUS

DOCUMENT NUMBER: 121:149080

TITLE: Pyrimidine nucleotide precursors for treatment of systemic inflammation and inflammatory hepatitis

INVENTOR(S): Von Borstel, Reid Warren; Bamat, Michael Kevin; Hiltbrand, Bradley M.

PATENT ASSIGNEE(S): Pro-Neuron, Inc., USA

SOURCE: PCT Int. Appl., 81 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 13

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9413687	A1	19940623	WO 1993-US11531	19931201
W: AT, AU, BB, BG, BR, BY, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP,				

KP, KR, KZ, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD,  
 SE, SK, UA, VN  
 RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,  
 BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG  
 CA 2150940 AA 19940623 CA 1993-2150940 19931201  
 AU 9457305 A1 19940704 AU 1994-57305 19931201  
 EP 679160 A1 19951102 EP 1994-903322 19931201  
 EP 679160 B1 20041117  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE  
 JP 08503699 T2 19960423 JP 1994-510442 19931201  
 AT 282627 E 20041215 AT 1994-903322 19931201  
 EP 1486210 A1 20041215 EP 2004-20415 19931201  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE  
 PT 679160 T 20050228 PT 1994-903322 19931201  
 ES 2229212 T3 20050416 ES 1994-903322 19931201  
 IL 107900 A1 19991222 IL 1993-107900 19931206  
 CN 1095268 A 19941123 CN 1993-121700 19931207  
 CN 1089239 B 20020821  
 ZA 9309208 A 19940808 ZA 1993-9208 19931208  
 IN 177670 A 19970215 IN 1994-CA701 19940902  
 US 5691320 A 19971125 US 1995-465454 19950605 <--  
 US 6232298 B1 20010515 US 1995-479519 19950607  
 HK 1004484 A1 20050422 HK 1998-103632 19980429  
 AU 9878813 A1 19981008 AU 1998-78813 19980805  
 AU 732120 B2 20010412  
 AU 9952624 A1 19991202 AU 1999-52624 19991001  
 CN 1309970 A 20010829 CN 2000-134481 20001129  
 US 2004033981 A1 20040219 US 2003-601863 20030624  
 US 2004220134 A1 20041104 US 2004-855835 20040528  
 JP 2005162757 A2 20050623 JP 2004-348587 20041201  
 PRIORITY APPLN. INFO.: US 1992-987730 A 19921208  
 US 1993-158799 19931201  
 US 1987-115929 B2 19871028  
 US 1989-438493 B2 19890627  
 US 1990-438493 B2 19900626  
 IN 1992-CA473 A1 19920706  
 EP 1994-903322 A3 19931201  
 JP 1994-510442 A3 19931201  
 WO 1993-US11531 W 19931201  
 US 1994-266897 B3 19940701  
 US 1995-463740 A1 19950605  
 AU 1995-29150 A3 19950630

OTHER SOURCE(S): MARPAT 121:149080

L10 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1989:595338 CAPLUS

DOCUMENT NUMBER: 111:195338

TITLE: Preparation and therapeutic used of acylated uridine and cytidine.

INVENTOR(S): Von Borstel, Reid Warren; Bamat, Michael Kevin

PATENT ASSIGNEE(S): Pro-Neuron, Inc., USA

SOURCE: PCT Int. Appl., 69 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 13

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8903837	A1	19890505	WO 1988-US3823	19881027
W: AU, BR, DK, FI, JP, KR, NO, SU, US				
RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
AU 8927899	A1	19890523	AU 1989-27899	19881027
EP 339075	A1	19891102	EP 1988-909932	19881027
EP 339075	B1	19930818		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
JP 02500372	T2	19900208	JP 1988-509176	19881027

JP 2894610	B2	19990524		
CA 1321994	A1	19930907	CA 1988-581429	19881027
AT 93236	E	19930915	AT 1988-909932	19881027
JP 10001436	A2	19980106	JP 1997-36734	19881027
JP 3474073	B2	20031208		
JP 2001192335	A2	20010717	JP 2000-379524	19881027
IN 167680	A	19901208	IN 1988-MA755	19881028
IL 88208	A1	19961016	IL 1988-88208	19881028
ZA 8900232	A	19900627	ZA 1989-232	19890111
US 5583117	A	19961210	US 1993-140475	19931025
IN 177670	A	19970215	IN 1994-CA701	19940902
JP 07228535	A2	19950829	JP 1994-303877	19941207
US 5691320	A	19971125	US 1995-465454	19950605 <--
US 6329350	B1	20011211	US 1995-464939	19950605
US 6258795	B1	20010710	US 1995-466145	19950606
US 6316426	B1	20011113	US 1995-466144	19950606
US 6232298	B1	20010515	US 1995-479519	19950607
US 6274563	B1	20010814	US 1995-479349	19950607
AU 9952624	A1	19991202	AU 1999-52624	19991001
US 2002035086	A1	20020321	US 2001-964514	20010928
US 2004033981	A1	20040219	US 2003-601863	20030624
US 2004220134	A1	20041104	US 2004-855835	20040528
PRIORITY APPLN. INFO.:			US 1987-115929	A2 19871028
			EP 1988-909932	A 19881027
			JP 1988-509176	A3 19881027
			JP 1994-303877	A3 19881027
			WO 1988-US3823	A 19881027
			US 1989-438493	B2 19890627
			US 1990-438493	B2 19900626
			US 1991-737913	B3 19910729
			IN 1992-CA473	A1 19920706
			US 1992-987730	B2 19921208
			US 1992-997657	A3 19921230
			US 1993-158799	B2 19931201
			US 1994-266897	B3 19940701
			US 1995-463740	A1 19950605
			US 1995-466144	A3 19950606
			AU 1995-29150	A3 19950630
OTHER SOURCE(S):		MARPAT 111:195338		

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L5 ANSWER 1 OF 27 USPATFULL on STN

ACCESSION NUMBER: 2005:234127 USPATFULL  
TITLE: Compositions and methods for treatment of mitochondrial diseases  
INVENTOR(S): von Borstel, Reid W., Potomac, MD, UNITED STATES  
PATENT ASSIGNEE(S): Wellstat Therapeutics Corporation, Gaithersburg, MD, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005203066	A1	20050915
APPLICATION INFO.:	US 2005-127171	A1	20050512 (11)
RELATED APPLN. INFO.:	Division of Ser. No. US 2001-838136, filed on 20 Apr 2001, PENDING Continuation of Ser. No. US 1998-144096, filed on 31 Aug 1998, GRANTED, Pat. No. US 6472378		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	NIXON & VANDERHYE, PC, 901 NORTH GLEBE ROAD, 11TH FLOOR, ARLINGTON, VA, 22203, US		
NUMBER OF CLAIMS:	42		
EXEMPLARY CLAIM:	1-46		
LINE COUNT:	1357		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 27 USPATFULL on STN

ACCESSION NUMBER: 2005:179505 USPATFULL  
TITLE: Pharmaceutical compositions containing deoxyribonucleosides for wound healing  
INVENTOR(S): von Borstel, Reid Warren, Kensington, MD, UNITED STATES  
Bamat, Michael Kevin, Chevy Chase, MD, UNITED STATES  
PATENT ASSIGNEE(S): Wellstat Therapeutics Corporation, Gaithersburg, MD, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6919320	B1	20050719
APPLICATION INFO.:	US 1995-473331		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1995-419767, filed on 10 Apr 1995, Pat. No. US 5770582 Continuation of Ser. No. US 1993-96407, filed on 26 Jul 1993, ABANDONED Division of Ser. No. US 1992-911379, filed on 13 Jul 1992, Pat. No. US 5246708 Continuation of Ser. No. US 1989-341925, filed on 21 Apr 1989, ABANDONED Continuation-in-part of Ser. No. US 1988-186031, filed on 25 Apr 1988, ABANDONED Continuation-in-part of Ser. No. US 1987-115923, filed on 28 Oct 1987, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Wilson, James O.		
ASSISTANT EXAMINER:	Owens, Howard V.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	972		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 27 USPATFULL on STN

ACCESSION NUMBER: 2004:280833 USPATFULL  
TITLE: Pyrimidine nucleotide precursors for treatment of systemic inflammation and inflammatory

hepatitis  
INVENTOR(S): **von Borstel, Reid W.**, Potomac, MD, UNITED STATES  
Bamat, Michael K., Potomac, MD, UNITED STATES  
Hiltbrand, Bradley M., Columbia, MD, UNITED STATES  
PATENT ASSIGNEE(S): Pro-Neuron, Inc., Gaithersburg, MD, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004220134	A1	20041104
APPLICATION INFO.:	US 2004-855835	A1	20040528 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-463740, filed on 5 Jun 1995, PENDING Division of Ser. No. US 1994-266897, filed on 1 Jul 1994, ABANDONED Continuation-in-part of Ser. No. US 1993-158799, filed on 1 Dec 1993, ABANDONED Continuation-in-part of Ser. No. US 1992-987730, filed on 8 Dec 1992, ABANDONED Continuation-in-part of Ser. No. US 1990-438493, filed on 26 Jun 1990, ABANDONED Continuation-in-part of Ser. No. US 1987-115929, filed on 28 Oct 1987, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	NIXON & VANDERHYE, PC, 1100 N GLEBE ROAD, 8TH FLOOR, ARLINGTON, VA, 22201-4714		
NUMBER OF CLAIMS:	12		
EXEMPLARY CLAIM:	CLM-01-57		
LINE COUNT:	1837		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 4 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2004:59671 USPATFULL  
TITLE: Prodrugs activated by targeted catalytic proteins  
INVENTOR(S): **von Borstel, Reid**, Potomac, MD, United States  
Casadei, Jan M., Bethesda, MD, United States  
Kamireddy, Balreddy, Rockville, MD, United States  
Kenten, John, Gaithersburg, MD, United States  
Martin, Mark T., Germantown, MD, United States  
Massey, Richard J., Rockville, MD, United States  
Napper, Andrew D., Natick, MA, United States  
Simpson, David M., Adelphia, MD, United States  
Smith, Rodger, Jefferson, MD, United States  
Titmas, Richard C., Rockville, MD, United States  
Williams, Richard O., Potomac, MD, United States  
PATENT ASSIGNEE(S): IGEN International, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6702705	B1	20040309
APPLICATION INFO.:	US 1995-392407		19950222 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-740501, filed on 5 Aug 1991, now abandoned Continuation-in-part of Ser. No. WO 1989-US1951, filed on 4 May 1989 Continuation-in-part of Ser. No. US 1988-190271, filed on 4 May 1988, now abandoned Continuation-in-part of Ser. No. US 392407 Continuation-in-part of Ser. No. US 1991-700210, filed on 12 Jun 1991, now abandoned Continuation-in-part of Ser. No. US 1990-498225, filed on 23 Mar 1990, now patented, Pat. No. US 5229272 Continuation-in-part of Ser. No. WO 1989-US1950, filed on 4 May 1989		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Patterson, Jr., Charles L.		
LEGAL REPRESENTATIVE:	Evans, Esq., Barry, Kramer Levin Naftalis and Frankel LLP		
NUMBER OF CLAIMS:	71		
EXEMPLARY CLAIM:	1		



NUMBER OF DRAWINGS: 45 Drawing Figure(s); 45 Drawing Page(s)  
LINE COUNT: 5138  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 27 USPATFULL on STN

ACCESSION NUMBER: 2004:44988 USPATFULL  
TITLE: **Pyrimidine** nucleotide precursors for  
treatment of systemic inflammation and inflammatory  
hepatitis  
INVENTOR(S): **von Borstel, Reid W.**, Potomac, MD, UNITED  
STATES  
Bamat, Michael K., Potomac, MD, UNITED STATES  
Hiltbrand, Bradley M., Columbia, MD, UNITED STATES  
PATENT ASSIGNEE(S): Pro-Neuron Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004033981	A1	20040219
APPLICATION INFO.:	US 2003-601863	A1	20030624 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-266897, filed on 1 Jul 1994, ABANDONED Continuation-in-part of Ser. No. US 1993-158799, filed on 1 Dec 1993, ABANDONED Continuation-in-part of Ser. No. US 1992-987730, filed on 8 Dec 1992, ABANDONED Continuation-in-part of Ser. No. US 1990-438493, filed on 26 Jun 1990, ABANDONED Continuation-in-part of Ser. No. US 1987-115929, filed on 28 Oct 1987, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	NIXON & VANDERHYE, PC, 1100 N GLEBE ROAD, 8TH FLOOR, ARLINGTON, VA, 22201-4714		
NUMBER OF CLAIMS:	57		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1972		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 27 USPATFULL on STN

ACCESSION NUMBER: 2003:300810 USPATFULL  
TITLE: **Pyrimidine** nucleotide precursors for  
treatment of systemic inflammation and inflammatory  
hepatitis  
INVENTOR(S): **von Borstel, Reid W.**, Potomac, MD, UNITED  
STATES  
Bamat, Michael K., Potomac, MD, UNITED STATES  
Hiltbrand, Bradley M., Columbia, MD, UNITED STATES  
PATENT ASSIGNEE(S): Pro Neuron, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003212036	A1	20031113
APPLICATION INFO.:	US 2003-421831	A1	20030424 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-702876, filed on 1 Nov 2000, PENDING Continuation of Ser. No. US 1995-479519, filed on 7 Jun 1995, GRANTED, Pat. No. US 6232298 Division of Ser. No. US 1994-266897, filed on 1 Jul 1994, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	NIXON & VANDERHYE, PC, 1100 N GLEBE ROAD, 8TH FLOOR, ARLINGTON, VA, 22201-4714		
NUMBER OF CLAIMS:	57		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1966		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 27 USPATFULL on STN

ACCESSION NUMBER: 2003:140923 USPATFULL  
TITLE: Prodrugs activated by targeted catalytic proteins

INVENTOR(S): Kenten, John Henry, Gaithersburg, MD, UNITED STATES  
Von Borstel, Reid, Potomac, MD, UNITED STATES  
Casadei, Jan M., Bethesda, MD, UNITED STATES  
Kamireddy, Balreddy, Rockville, MD, UNITED STATES  
Martin, Mark T., Germantown, MD, UNITED STATES  
Massey, Richard J., Rockville, MD, UNITED STATES  
Napper, Andrew D., Natick, MA, UNITED STATES  
Simpson, David M., Adelphi, MD, UNITED STATES  
Smith, Rodger G., Jefferson, MD, UNITED STATES  
Titmas, Richard C., Rockville, MD, UNITED STATES  
Williams, Richard O., Potomac, MD, UNITED STATES  
PATENT ASSIGNEE(S): Igen, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003096765	A1	20030522
APPLICATION INFO.:	US 2002-205115	A1	20020725 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1994-325540, filed on 18 Oct 1994, ABANDONED Continuation of Ser. No. US 1992-919851, filed on 31 Jul 1992, ABANDONED Continuation-in-part of Ser. No. US 1991-773042, filed on 10 Oct 1991, ABANDONED Continuation-in-part of Ser. No. US 1991-740501, filed on 5 Aug 1991, ABANDONED		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Barry Evans, Esq., Kramer Levin Naftalis & Frankel LLP, 919 Third Avenue, New York, NY, 10022		
NUMBER OF CLAIMS:	132		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	59 Drawing Page(s)		
LINE COUNT:	7329		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 8 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2002:92658 USPATFULL  
TITLE: Compositions and methods for treatment of mitochondrial diseases  
INVENTOR(S): Von Borstel, Reid W., Potomac, MD, UNITED STATES  
Saydoff, Joel A., Middletown, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002049182	A1	20020425
APPLICATION INFO.:	US 2001-930494	A1	20010816 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-763955, filed on 28 Feb 2001, PENDING A 371 of International Ser. No. WO 1999-US19725, filed on 31 Aug 1999, UNKNOWN Continuation-in-part of Ser. No. US 1998-144096, filed on 31 Aug 1998, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	NIXON & VANDERHYE P.C., 8th Floor, 1100 North Glebe Road, Arlington, VA, 22201		
NUMBER OF CLAIMS:	50		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	16 Drawing Page(s)		
LINE COUNT:	2171		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 9 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2002:34424 USPATFULL  
TITLE: Acyl deoxyribonucleoside derivatives and uses thereof  
INVENTOR(S): von Borstel, Reid Warren, Darnestown, MD, United States  
Bamat, Michael Kevin, Darnestown, MD, United States  
PATENT ASSIGNEE(S): Pro-Neuron, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6348451	B1	20020219
APPLICATION INFO.:	US 1995-478736		19950607 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-98884, filed on 29 Jul 1993, now abandoned Division of Ser. No. US 1990-487984, filed on 5 Feb 1990, now abandoned Continuation-in-part of Ser. No. US 1987-115923, filed on 28 Oct 1987, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Geist, Gary		
ASSISTANT EXAMINER:	Owens, Howard V.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	11		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1512		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 10 OF 27 USPATFULL on STN

ACCESSION NUMBER: 2001:226607 USPATFULL

TITLE: **Pyrimidine** nucleotide precursors for treatment of systemic inflammation and inflammatory hepatitis

INVENTOR(S): **von Borstel, Reid W.**, Potomac, MD, United States  
Bamat, Michael K., Potomac, MD, United States  
Hiltbrand, Bradley M., Columbia, MD, United States

PATENT ASSIGNEE(S): Pro-Neuron, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6329350	B1	20011211
APPLICATION INFO.:	US 1995-464939		19950605 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-266897, filed on 1 Jul 1994 Continuation-in-part of Ser. No. US 1993-158799, filed on 1 Dec 1993, now abandoned Continuation-in-part of Ser. No. US 1992-987730, filed on 8 Dec 1992, now abandoned Continuation-in-part of Ser. No. US 438493, now abandoned Continuation-in-part of Ser. No. US 1987-115929, filed on 28 Oct 1987, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Geist, Gary		
ASSISTANT EXAMINER:	Owens, Jr., Howard V.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	7		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1844		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 11 OF 27 USPATFULL on STN

ACCESSION NUMBER: 2001:185269 USPATFULL

TITLE: Acyl deoxyribonucleoside derivatives and uses thereof

INVENTOR(S): **von Borstel, Reid Warren**, Darnestown, MD, United States  
Bamat, Michael Kevin, Darnestown, MD, United States

PATENT ASSIGNEE(S): Pro-Neuron, Inc., United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6306834	B1	20011023
APPLICATION INFO.:	US 1995-479516		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-309572, filed on 21 Sep 1994, now patented, Pat. No. US 6020322 Continuation of		

Ser. No. US 1993-149469, filed on 9 Nov 1993, now  
abandoned Division of Ser. No. US 1990-487984, filed on  
5 Feb 1990, now abandoned Continuation-in-part of Ser.  
No. US 1987-115923, filed on 28 Oct 1987, now abandoned

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Geist, Gary  
ASSISTANT EXAMINER: Owens, Jr., Howard V.  
LEGAL REPRESENTATIVE: Nixon & Vanderhye  
NUMBER OF CLAIMS: 25  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 4 Drawing Page(s)  
LINE COUNT: 1657  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2001:168106 USPATFULL  
TITLE: Acyl deoxyribonucleoside derivatives and uses thereof  
INVENTOR(S): **von Borstel, Reid Warren**, Darnestown, MD,  
United States  
Bamat, Michael Kevin, Darnestown, MD, United States  
PATENT ASSIGNEE(S): Pro-Neuron, Inc., Gaithersburg, MD, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6297222	B1	20011002
APPLICATION INFO.:	US 1995-466379		19950606 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-309572, filed on 21 Sep 1994, now patented, Pat. No. US 6020322 Continuation of Ser. No. US 1993-149469, filed on 9 Nov 1993, now abandoned Division of Ser. No. US 487984, now abandoned Continuation-in-part of Ser. No. US 1987-115923, filed on 28 Oct 1987, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Geist, Gary		
ASSISTANT EXAMINER:	Owens, Jr., Howard V.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1665		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 13 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2001:165822 USPATFULL  
TITLE: TREATMENT OF CHEMOTHERAPEUTIC AGENT AND  
**ANTIVIRAL AGENT TOXICITY WITH ACYLATED  
PYRIMIDINE NUCLEOSIDES**  
INVENTOR(S): **VON BORSTEL, REID W.**, POTOMAC, MD, United  
States  
BAMAT, MICHAEL K., POTOMAC, MD, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001025032	A1	20010927
	US 6344447	B2	20020205
APPLICATION INFO.:	US 1999-249790	A1	19990216 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-472210, filed on 7 Jun 1995, GRANTED, Pat. No. US 5968914 Continuation of Ser. No. US 1993-176485, filed on 30 Dec 1993, GRANTED, Pat. No. US 5736531 Continuation-in-part of Ser. No. US 1993-61381, filed on 14 May 1993, ABANDONED Continuation-in-part of Ser. No. US 1992-903107, filed on 25 Jun 1992, ABANDONED Continuation-in-part of Ser. No. US 1991-724340, filed on 5 Jul 1991, ABANDONED Continuation-in-part of Ser. No. US 1990-438493, filed		

on 26 Jun 1990, ABANDONED Continuation-in-part of Ser.  
No. US 1987-115929, filed on 28 Oct 1987, ABANDONED  
Continuation-in-part of Ser. No. US 1990-487984, filed  
on 5 Feb 1990, ABANDONED Continuation-in-part of Ser.  
No. US 1987-115923, filed on 28 Oct 1987, ABANDONED

DOCUMENT TYPE: Utility  
FILE SEGMENT: APPLICATION  
LEGAL REPRESENTATIVE: NIXON & VANDERHYE, ATTY LEONARD C MITCHARD, 1100 NORTH  
GLEBE ROAD, 8TH FLOOR, ARLINGTON, VA, 222014714  
NUMBER OF CLAIMS: 36  
EXEMPLARY CLAIM: 1  
LINE COUNT: 2891  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 14 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2001:139534 USPATFULL  
TITLE: Compositions and methods for treatment of mitochondrial  
diseases  
INVENTOR(S): **von Borstel, Reid W.**, Potomac, MD, United  
States  
PATENT ASSIGNEE(S): Pro-Neuron, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001016576	A1	20010823
	US 6956028	B2	20051018
APPLICATION INFO.:	US 2001-838136	A1	20010420 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-144096, filed on 31 Aug 1998, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye P.C., 8th Floor, 1100 N. Glebe Rd., Arlington, VA, 22201		
NUMBER OF CLAIMS:	46		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1390		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 15 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2001:107446 USPATFULL  
TITLE: Prodrugs activated by targeted catalytic proteins  
INVENTOR(S): **von Borstel, Reid**, Potomac, MD, United States  
Casadei, Jan M., Bethesda, MD, United States  
Kamireddy, Balreddy, Rockville, MD, United States  
Kenten, John Henry, Gaithersburg, MD, United States  
Martin, Mark T., Germantown, MD, United States  
Massey, Richard J., Rockville, MD, United States  
Napper, Andrew D., Natick, MA, United States  
Simpson, David M., Adelphia, MD, United States  
Smith, Rodger G., Jefferson, MD, United States  
Titmas, Richard C., Rockville, MD, United States  
Williams, Richard O., Potomac, MD, United States  
PATENT ASSIGNEE(S): IGEN International, Inc., Gaithersburg, MD, United  
States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6258360	B1	20010710
APPLICATION INFO.:	US 1994-325554		19941018 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1991-773042, filed on 10 Oct 1991, now abandoned Continuation-in-part of Ser. No. US 1991-740501, filed on 5 Aug 1991, now abandoned Continuation-in-part of Ser. No. US 1998-190271, filed on 4 May 1998, now abandoned , said Ser. No. US 325554 Continuation-in-part of Ser. No. US 1991-700210, filed on 12 Jun 1991, now abandoned Continuation-in-part of Ser. No. WO 1989-US1951, filed on 4 May 1989 Continuation-in-part of Ser. No. US 1990-498225, filed		

on 23 Mar 1990, now patented, Pat. No. US 5229272

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Wortman, Donna C.  
LEGAL REPRESENTATIVE: Evans, Esq., BarryKramer Levin Naftalis & Frankel LLP  
NUMBER OF CLAIMS: 13  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 45 Drawing Figure(s); 37 Drawing Page(s)  
LINE COUNT: 5556  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 16 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2001:100342 USPATFULL  
TITLE: COMPOSITIONS AND METHODS FOR TREATMENT OF MITOCHONDRIAL DISEASES  
INVENTOR(S): **VON BORSTEL, REID W.**, POTOMAC, MD, United States

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001005719	A1	20010628
	US 6472378	B2	20021029
APPLICATION INFO.:	US 1998-144096	A1	19980831 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	NIXON & VANDERHYE, 1100 N. GLEBE ROAD, 8TH FLOOR, ARLINGTON, VA, 22201		
NUMBER OF CLAIMS:	46		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1402		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2001:71533 USPATFULL  
TITLE: **Pyrimidine** nucleotide precursors for treatment of systemic inflammation and inflammatory hepatitis  
INVENTOR(S): **von Borstel, Reid W.**, Potomac, MD, United States  
Bamat, Michael K., Potomac, MD, United States  
Hiltbrand, Bradley M., Columbia, MD, United States  
PATENT ASSIGNEE(S): Pro-Neuron, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6232298	B1	20010515
APPLICATION INFO.:	US 1995-479519		19950607 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-266897, filed on 1 Jul 1994 Continuation-in-part of Ser. No. US 1993-158799, filed on 19 Dec 1993, now abandoned Continuation-in-part of Ser. No. US 1992-987730, filed on 8 Dec 1992, now abandoned Continuation-in-part of Ser. No. US 1990-438493, filed on 26 Jun 1990, now abandoned Continuation-in-part of Ser. No. US 1987-115929, filed on 28 Oct 1987, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Wilson, James O.		
ASSISTANT EXAMINER:	Owens, Howard		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	4		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1818		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 18 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2000:105884 USPATFULL

TITLE: Method for enhancing hematopoiesis with acyl deoxyribonucleosides  
INVENTOR(S): von Borstel, Reid Warren, 14309 Brickhowe Ct., Darnestown, MD, United States 20874  
Bamat, Michael Kevin, 14309 Brickhowe Ct., Darnestown, MD, United States 20874

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6103701		20000815
APPLICATION INFO.:	US 1995-470027		19950606 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-309572, filed on 21 Sep 1994 which is a continuation of Ser. No. US 1993-149469, filed on 9 Nov 1993, now abandoned which is a division of Ser. No. US 1990-487984, filed on 5 Feb 1990, now abandoned which is a continuation-in-part of Ser. No. US 1987-115923, filed on 28 Oct 1987, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kunz, Gary L.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1584		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 19 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 2000:12785 USPATFULL  
TITLE: Acyl deoxyribonucleoside derivatives and uses thereof  
INVENTOR(S): von Borstel, Reid Warren, Darnestown, MD, United States  
Bamat, Michael Kevin, Darnestown, MD, United States  
PATENT ASSIGNEE(S): Pro-Neuron, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6020322		20000201
APPLICATION INFO.:	US 1994-309572		19940921 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-149469, filed on 9 Nov 1993, now abandoned which is a division of Ser. No. US 487984		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kunz, Gary L.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	15		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	4 Drawing Figure(s); 4 Drawing Page(s)		
LINE COUNT:	1585		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 20 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 1999:128530 USPATFULL  
TITLE: Treatment of chemotherapeutic agent and **antiviral** agent toxicity with acylated **pyrimidine** nucleosides  
INVENTOR(S): von Borstel, Reid, Potomac, MD, United States  
Bamat, Michael K., Potomac, MD, United States  
PATENT ASSIGNEE(S): Pro-Neuron, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5968914		19991019
APPLICATION INFO.:	US 1995-472210		19950607 (8)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1993-176485, filed		

on 30 Dec 1993 which is a continuation-in-part of Ser. No. US 1993-61381, filed on 14 May 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-903107, filed on 25 Jun 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-724340, filed on 5 Jul 1991, now abandoned which is a continuation-in-part of Ser. No. US 1990-438493, filed on 26 Jun 1990, now abandoned And Ser. No. US 1990-487984, filed on 5 Feb 1990, now abandoned which is a continuation-in-part of Ser. No. US 1987-115923, filed on 28 Oct 1987, now abandoned , said Ser. No. US 438493 which is a continuation-in-part of Ser. No. US 1987-115929, filed on 28 Oct 1987, now abandoned

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Kunz, Gary L.  
LEGAL REPRESENTATIVE: Nixon & Vanderhye  
NUMBER OF CLAIMS: 35  
EXEMPLARY CLAIM: 1  
LINE COUNT: 3065  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 21 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 1998:72607 USPATFULL  
TITLE: Pharmaceutical compositions containing deoxyribonucleosides for wound healing  
INVENTOR(S): **von Borstel, Reid Warren**, Kensington, MD, United States  
Bamat, Michael Kevin, Chevy Chase, MD, United States  
PATENT ASSIGNEE(S): Pro-Neuron, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5770582		19980623
APPLICATION INFO.:	US 1995-419767		19950410 (8)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1993-96407, filed on 26 Jul 1993, now abandoned which is a division of Ser. No. US 1992-911379, filed on 13 Jul 1992, now patented, Pat. No. US 5246708 which is a continuation of Ser. No. US 1989-341925, filed on 21 Apr 1989, now abandoned which is a continuation-in-part of Ser. No. US 1988-186031, filed on 25 Apr 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-115923, filed on 28 Oct 1987, now abandoned		

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Kunz, Gary L.  
LEGAL REPRESENTATIVE: Nixon & Vanderhye  
NUMBER OF CLAIMS: 54  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 9 Drawing Page(s)  
LINE COUNT: 1132  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 22 OF 27 USPATFULL on STN  
ACCESSION NUMBER: 1998:36739 USPATFULL  
TITLE: Compositions of chemotherapeutic agent or **antiviral** agent with acylated **pyrimidine** nucleosides  
INVENTOR(S): **von Borstel, Reid W.**, Potomac, MD, United States  
Bamat, Michael K., Potomac, MD, United States  
PATENT ASSIGNEE(S): Pro-Neuron, Inc., Rockville, MD, United States (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION: US 5736531 19980407  
 APPLICATION INFO.: US 1993-176485 19931230 (8)  
 RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1993-61381, filed on 14 May 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-903107, filed on 25 Jun 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-724340, filed on 5 Jul 1991, now abandoned which is a continuation-in-part of Ser. No. US 1989-438493, filed on 27 Jun 1989, now abandoned which is a continuation-in-part of Ser. No. US 1987-115929, filed on 27 Oct 1987, now abandoned, said Ser. No. US -724340 which is a continuation-in-part of Ser. No. US 1990-487984, filed on 5 Feb 1990, now abandoned which is a continuation-in-part of Ser. No. US 1987-115923, filed on 28 Oct 1987, now abandoned

DOCUMENT TYPE: Utility  
 FILE SEGMENT: Granted  
 PRIMARY EXAMINER: Kunz, Gary L.  
 LEGAL REPRESENTATIVE: Nixon & Vanderhye  
 NUMBER OF CLAIMS: 13  
 EXEMPLARY CLAIM: 1  
 LINE COUNT: 2580  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 23 OF 27 USPATFULL on STN  
 ACCESSION NUMBER: 97:109880 USPATFULL  
 TITLE: Acylated **pyrimidine** nucleosides for treatment of systemic inflammation and inflammatory hepatitis  
 INVENTOR(S): **von Borstel, Reid W.**, Potomac, MD, United States  
 Bamat, Michael K., Potomac, MD, United States  
 Hiltbrand, Bradley M., Columbia, MD, United States  
 PATENT ASSIGNEE(S): Pro-Neuron, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5691320		19971125
APPLICATION INFO.:	US 1995-465454		19950605 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1994-266897, filed on 1 Jul 1994, now abandoned which is a continuation-in-part of Ser. No. US 1993-158799, filed on 1 Dec 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-987730, filed on 8 Dec 1992, now abandoned which is a continuation-in-part of Ser. No. US 1990-438493, filed on 26 Jun 1990, now abandoned which is a continuation-in-part of Ser. No. US 1987-115929, filed on 28 Oct 1987, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Kunz, Gary L.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye P.C.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1955		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 24 OF 27 USPATFULL on STN  
 ACCESSION NUMBER: 93:78557 USPATFULL  
 TITLE: Methods for promoting wound healing with deoxyribonucleosides  
 INVENTOR(S): **von Borstel, Reid W.**, Kensington, MD, United States  
 Bamat, Michael K., Chevy Chase, MD, United States  
 PATENT ASSIGNEE(S): Pro-Neuron, Inc., Rockville, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5246708		19930921
APPLICATION INFO.:	US 1992-911379		19920713 (7)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1989-341925, filed on 21 Apr 1989, now abandoned which is a continuation-in-part of Ser. No. US 1988-186031, filed on 25 Apr 1988, now abandoned which is a continuation-in-part of Ser. No. US 1987-115923, filed on 28 Oct 1987, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Rollins, John W.		
ASSISTANT EXAMINER:	Kunz, Gary L.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	40		
EXEMPLARY CLAIM:	25		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 9 Drawing Page(s)		
LINE COUNT:	1043		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 25 OF 27 USPAT2 on STN

ACCESSION NUMBER: 2001:165822 USPAT2

TITLE: Treatment of chemotherapeutic agent and **antiviral** agent toxicity with acylated **pyrimidine** nucleosides

INVENTOR(S): **von Borstel, Reid W.**, Potomac, MD, United States  
Bamat, Michael K., Potomac, MD, United States

PATENT ASSIGNEE(S): Pro-Neuron, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6344447	B2	20020205
APPLICATION INFO.:	US 1999-249790		19990216 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1995-472210, filed on 7 Jun 1995, now patented, Pat. No. US 5968914		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Geist, Gary		
ASSISTANT EXAMINER:	Owens, Howard V.		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	39		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	2861		
CAS INDEXING IS AVAILABLE FOR THIS PATENT.			

L5 ANSWER 26 OF 27 USPAT2 on STN

ACCESSION NUMBER: 2001:139534 USPAT2

TITLE: Compositions and methods for treatment of mitochondrial diseases

INVENTOR(S): **von Borstel, Reid W.**, Potomac, MD, UNITED STATES

PATENT ASSIGNEE(S): Wellstat Therapeutics Coporation, Gaithersburg, MD, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6956028	B2	20051018
APPLICATION INFO.:	US 2001-838136		20010420 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1998-144096, filed on 31 Aug 1998, Pat. No. US 6472378		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Wilson, James O.		
ASSISTANT EXAMINER:	Krishnan, Ganapathy		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		

NUMBER OF CLAIMS: 2  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)  
LINE COUNT: 1321  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 27 OF 27 USPAT2 on STN

ACCESSION NUMBER: 2001:100342 USPAT2  
TITLE: Compositions and methods for treatment of mitochondrial diseases  
INVENTOR(S): von Borstel, Reid W., Potomac, MD, United States  
PATENT ASSIGNEE(S): Pro-Neuron, Inc., Gaithersburg, MD, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6472378	B2	20021029
APPLICATION INFO.:	US 1998-144096		19980831 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Ketter, James		
ASSISTANT EXAMINER:	Schnizer, Richard		
LEGAL REPRESENTATIVE:	Nixon & Vanderhye		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	1303		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d ibib 1-13

L4 ANSWER 1 OF 13 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

ACCESSION NUMBER: 2004:38424 EPFULL  
ENTRY DATE PATENT: 20041222  
ENTRY DATE PUBLICATION: 20041222  
UPDATE DATE PUBLICAT.: 20050907  
DATA UPDATE DATE: 20050907  
DATA UPDATE WEEK: 200536  
TITLE (ENGLISH): **Pyrimidine** nucleotide precursors for  
treatment of inflammatory hepatitis  
TITLE (FRENCH): Precurseurs de nucleutides de **pyrimidine**  
utilisees pour le traitement de l'hepatite infflamatoire  
TITLE (GERMAN): Pyrimidinnukleotid-Vorlaeufer zur Behandlung  
entzuendlicher Hepatitis  
INVENTOR(S): **von Borstel, Reid Warren, 8811 Falls Road, Potomac**  
**MD 20854, US**; Bamat, Michael Kevin, 10301 South  
Glen Road, Potomac MD 20854, US; Hiltbrand, Bradley M.,  
36 Campbell Lane, Menlo Park, California, US  
PATENT APPLICANT(S): Wellstat Therapeutics Corporation, 930 Clopper Road,  
Gaithersburg, MD 20878, US  
PATENT APPL. NUMBER: 1101085  
AGENT: MacLean, Martin Robert, et al, Mathys & Squire 120  
Holborn, London EC1N 2SQ, GB  
AGENT NUMBER: 91311  
DOCUMENT TYPE: Patent  
LANGUAGE OF FILING: English  
LANGUAGE OF PUBL.: English  
LANGUAGE OF PROCEDURE: English  
LANGUAGE OF TITLE: German; English; French  
PATENT INFO TYPE: EPAl Application published with search report  
PATENT INFORMATION:

	NUMBER	KIND	DATE
	EP 1486210	A1	20041215
DESIGNATED STATES:	AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE		
APPLICATION INFO.:	EP 2004-20415	A	19931201
RELATED DOC. INFO.:	EP 1994-903322		19940623 EP 679160 Parent Application
PRIORITY INFO.:	US 1992-987730	A	19921208

L4 ANSWER 2 OF 13 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

ACCESSION NUMBER: 1996:51505 EPFULL  
UPDATE DATE PUBLICAT.: 20050323  
DATA UPDATE DATE: 20050323  
DATA UPDATE WEEK: 200512  
TITLE (ENGLISH): METHODS OF REDUCING TOXICITY OF CHEMOTHERAPEUTIC AND  
**ANTIVIRAL** AGENTS WITH ACYLATED  
**PYRIMIDINE** NUCLEOSIDES  
TITLE (FRENCH): PROCEDES DE REDUCTION DE LA TOXICITE D'AGENTS  
CHIMIOOTHERAPEUTIQUES ET ANTIVIRAUX AVEC DES NUCLEOSIDES  
DE PYRIMIDE ACYLES  
TITLE (GERMAN): VERFAHREN ZUR TOXIZITAETSVERMINDERUNG  
CHEMOTHERAPEUTISCHER UND ANTIVIRALER WIRKSTOFFE MIT  
ACYLIERTEN PYRIMIDINNUCLEOSIDEN  
INVENTOR(S): **VON BORSTEL, Reid, W., c/o Pro-Neuron 16020**  
**Industrial Drive, Gaithersburg, MD 20877, US**;  
BAMAT, Michael, K., 10301 South Glen Road, Potomac, MD  
20854, US  
PATENT APPLICANT(S): Wellstat Therapeutics Corporation, (Pro-Neuron, Inc.),  
930 Clopper Road, Gaithersburg, MD 20878, US  
PATENT APPL. NUMBER: 1101085  
AGENT: MacLean, Martin Robert, et al, Mathys & Squire 120  
Holborn, London EC1N 2SQ, GB  
AGENT NUMBER: 91311

DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPA1 Application published with search report  
 PATENT INFORMATION:  
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE

EP 831849	A1	19980401
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WO 9640165		19961219
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DESIGNATED STATES: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

EXTENSION STATES: AL LT LV SI

APPLICATION INFO.: EP 1996-918461 A 19960606

WO 1996-US10067 A 19960606

RELATED DOC. INFO.: EP 2004-23557 20041004 EP 1491201

Divisional Application

PRIORITY INFO.: US 1995-472210 A 19950607

L4 ANSWER 3 OF 13 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

ACCESSION NUMBER: 1995:22248 EPFULL

DATA UPDATE DATE: 20040609

DATA UPDATE WEEK: 200424

TITLE (ENGLISH): Acyl deoxyribonucleoside derivatives and uses thereof

TITLE (FRENCH): Derives acyles de deoxyribonucleoside et leurs utilisations

TITLE (GERMAN): Acyldeoxyribonukleosid-Derivate und Verwendungen davon

INVENTOR(S): von Borstel, Reid W., 8409 Fenway Road, Bethesda, MD 20817, US; Bamat, Michael K., 10301 South Glen Road, Potomac, MD 20854, US

PATENT APPLICANT(S): Wellstat Therapeutics Corporation, (Pro-Neuron, Inc.), 930 Clopper Road, Gaithersburg, MD 20878, US

PATENT APPL. NUMBER: 1101085

AGENT: Schlich, George William, et al, Mathys & Squire European Patent Attorneys, 100 Gray's Inn Road, London WC1X 8AL, GB

AGENT NUMBER: 75591

DOCUMENT TYPE: Patent

LANGUAGE OF FILING: English

LANGUAGE OF PUBL.: English

LANGUAGE OF PROCEDURE: English

LANGUAGE OF TITLE: German; English; French

PATENT INFO TYPE: EPB1 Granted patent

PATENT INFORMATION:

NUMBER	KIND	DATE
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EP 712629	B1	20030618
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DESIGNATED STATES: AT BE CH DE FR GB IT LI LU NL SE

APPLICATION INFO.: EP 1995-203050 A 19881027

RELATED DOC. INFO.: EP 1988-910239 19890511 EP 355131 Parent Application

PRIORITY INFO.: US 1987-115923 A 19871028

CITED NON PATENT LIT.: PATENT ABSTRACTS OF JAPAN vol. 9 no. 160 (C-289) [1883] ,4 June 1985 & JP-A-60 034913 (SEIKAGAKU KOGYO K.K.) 22 February 1985,;

PATENT ABSTRACTS OF JAPAN vol. 6 no. 266 (C-142) [1144] ,25 December 1982 & JP-A-57 156418 (SUMITOMO KAGAKU K.K.) 27 September 1982,

L4 ANSWER 4 OF 13 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

ACCESSION NUMBER: 1992:52912 EPFULL

DATA UPDATE DATE: 20020911

DATA UPDATE WEEK: 200237

TITLE (ENGLISH): TREATMENT OF CHEMOTHERAPEUTIC AGENT AND  
**ANTIVIRAL** AGENT TOXICITY WITH ACYLATED  
**PYRIMIDINE** NUCLEOSIDES

TITLE (FRENCH): TRAITEMENT D'UN AGENT CHIMIOThERAPEUTIQUE ET DE LA  
TOXICITE D'UN AGENT **ANTIVIRAL** PAR DES  
NUCLEOSIDES DE **PYRIMIDINE** ACYLEE

TITLE (GERMAN): BEHANDLUNG DER TOXISCHEN WIRKUNG VON  
CHEMOTHERAPEUTISCHEN UND ANTIVIRALEN WIRKSTOFFEN MIT  
ACYLIERTEN PYRIMIDINNUKLEOSIDEN

INVENTOR(S): **VON BORSTEL, Reid, W., 11611 Glen Road, Potomac,  
MD 20854, US**; **BAMAT, Michael, K., 10301 South Glen  
Road, Potomac, MD 20854, US**

PATENT APPLICANT(S): **PRO-NEURON, INC., 16020 Industrial Drive, Gaithersburg,  
MD 20877, US**

PATENT APPL. NUMBER: 1101081

AGENT: **Schlich, George William, et al, Mathys & Squire  
European Patent Attorneys, 100 Gray's Inn Road, London  
WC1X 8AL, GB**

AGENT NUMBER: 75591

DOCUMENT TYPE: Patent

LANGUAGE OF FILING: English

LANGUAGE OF PUBL.: English

LANGUAGE OF PROCEDURE: English

LANGUAGE OF TITLE: German; English; French

PATENT INFO TYPE: EPB1 Granted patent

PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE

EP 594667	B1	20010919
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WO 9301202		19930121
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DESIGNATED STATES: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

APPLICATION INFO.: EP 1992-914215 A 19920625

WO 1992-US5324	A	19920625
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PRIORITY INFO.: US 1991-724340 A 19910705

CITED NON PATENT LIT.: Biochemical Pharmacology, Volume 28, issued 1979, W.D.  
ENSMINGER et al., "Thymidine 5'-O-Pivaloate, A Prodrug  
Derivative of Thymidine With Potential Applications in  
High-Dose Methothrexate Therapy", pages 1541-1545,  
especially page 1545.

CITED PATENT LIT.: EP 56265 A

WO 8903838	A
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WO 9213561	A
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US 4757139	A
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L4 ANSWER 5 OF 13 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

ACCESSION NUMBER: 1989:52093 EPFULL

DATA UPDATE DATE: 19931124

DATA UPDATE WEEK: 199347

TITLE (ENGLISH): PHARMACEUTICAL COMPOSITION CONTAINING

DEOXYRIBONUCLEOSIDES FOR WOUND HEALING

TITLE (FRENCH): COMPOSES PHARMACEUTIQUES CONTENANT DES

DESOXYRIBONUCLEOSIDES POUR LA GUERISON DES PLAIES

TITLE (GERMAN): ARZNEIMITTELZUSAMMENSETZUNG, ENTHALTEND

DEOXYRIBONUKLEOSIDE FUer HEILUNG VON WUNDEN

INVENTOR(S): **VON BORSTEL, Reid, Warren, 3115 University  
Boulevard West, Kensington, MD 20895, US**; **BAMAT,  
Michael, Kevin, 6516 Western Avenue, Chevy Chase, MD  
20815, US**

PATENT APPLICANT(S): **PRO-NEURON, INC., 1530 East Jefferson Street,  
Rockville, MD 20852, US**

PATENT APPL. NUMBER: 1101080

AGENT: **Ritter, Stephen David, et al, Mathys & Squire 100 Grays  
Inn Road, London WC1X 8AL, GB**

AGENT NUMBER: 35281

DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPB1 Granted patent  
 PATENT INFORMATION:  
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE

EP 420862	B1	19931124
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DESIGNATED STATES:	WO 8910129	19891102
APPLICATION INFO.:	AT BE CH DE FR GB IT LI LU NL SE	
	EP 1989-905906	A 19890421
	WO 1989-US1728	A 19890421
PRIORITY INFO.:	US 1988-186031	A 19880425
CITED NON PATENT LIT.:	Journal of Pharmaceutical Sciences, vol. 76, no. 2, 1987, American Pharmaceutical Association, (Washington, D.C.), p. 180, lines 10-12	
CITED PATENT LIT.:	CA 835941	A
	FR 2556727	A
	US 3856776	A
	US 3860706	A
	US 3991045	A
	US 4208406	A
	US 4560678	A
	US 4657896	A
	US 4757139	A
	US 4785553	A

L4 ANSWER 6 OF 13 EPFULL COPYRIGHT 2006 EPO/FIZ KA on STN

ACCESSION NUMBER: 1988:50998 EPFULL  
 DATA UPDATE DATE: 19960904  
 DATA UPDATE WEEK: 199636  
 TITLE (ENGLISH): ACYL DEOXYRIBONUCLEOSIDE DERIVATIVES AND USES THEREOF  
 TITLE (FRENCH): DERIVES DE DESOXYRIBONUCLEOSIDES D'ACYLE ET LEURS UTILISATIONS  
 TITLE (GERMAN): ACYL DEOXYRIBONUKLEOSID-DERIVATE UND DEREN VERWENDUNGEN  
 INVENTOR(S): VON BORSTEL, Reid, Warren, 3115 University Blvd. West, Kensington, MD 20895, US; BAMAT, Michael, Kevin, 6516 Western Avenue, Chevy Chase, MD 20815, US  
 PATENT APPLICANT(S): PRO-NEURON, INC., 1530 East Jefferson Street, Rockville, MD 20852, US  
 PATENT APPL. NUMBER: 1101080  
 AGENT: Ritter, Stephen David, et al, Mathys & Squire 100 Grays Inn Road, London WC1X 8AL, GB

AGENT NUMBER: 35281  
 DOCUMENT TYPE: Patent  
 LANGUAGE OF FILING: English  
 LANGUAGE OF PUBL.: English  
 LANGUAGE OF PROCEDURE: English  
 LANGUAGE OF TITLE: German; English; French  
 PATENT INFO TYPE: EPB1 Granted patent  
 PATENT INFORMATION:  
 PATENT INFORMATION:

NUMBER	KIND	DATE
NUMBER	KIND	DATE

EP 355131	B1	19960904
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DESIGNATED STATES:	WO 8903838	19890505
APPLICATION INFO.:	AT BE CH DE FR GB IT LI LU NL SE	
	EP 1988-910239	A 19881027
	WO 1988-US3824	A 19881027
RELATED DOC. INFO.:	EP 1995-203050	19951109

EP 712629

PRIORITY INFO.: Divisional Application  
US 1987-115923 A 19871028  
CITED NON PATENT LIT.: BIOCHEMISTRY, vol. 13, no. 3, 29 January 1974; M.J. ROBINSON et al., pp. 553-559#;  
BIOCHEMISTRY, vol. 14, no. 14, 15 July 1974; S.P. DUTTA et al., pp. 3144-3151#;  
BIOCHEMISTRY, vol. 20, no. 1, 06 January 1981, American Chemical Society; A. BHUTA et al., pp. 8-15#;  
BIOCHEMISTRY, vol. 20, no. 12, 09 June 1981, American Chemical Society; K. QUIGGLE et al., pp. 3480-3485#;  
JOURNAL OF AMERICAN CHEMICAL SOCIETY, vol. 104, no. 2, 1982, American Chemical Society; G. BUECHI et al., pp. 544-547#;  
PURE AND APPLIED CHEMISTRY, vol. 52, no. 12, 1980, IUPAC (GB); T. MATSUURA et al., pp. 2705-2715#;  
JOURNAL OF CARBOHYDRATE. NUCLEOSIDES. NUCLEOTIDES, vol. 4, no. 6, 1977, Marcel Dekker, Inc.; E.K. RYU et al., pp. 387-408#;  
CHEMICAL & PHARMACEUTICAL BULLETIN; Vol. 33, nr. 7 1985, p. 2956-61

CITED PATENT LIT.: EP 268309 A  
EP 56265 A  
DE 1941942 A  
DE 2147094 A  
FR 2096712 A  
JP 5791995 A  
JP 5849315 A  
JP 6028929 A  
JP 6064907 A  
JP 58167598 A  
JP 60174797 A  
US 3975367 A  
US 3991045 A  
US 4675189 A  
US 4757139 A  
US 4758533 A

L4 ANSWER 7 OF 13 PCTFULL COPYRIGHT 2006 Univentio on STN  
ACCESSION NUMBER: 2000011952 PCTFULL ED 20020515  
TITLE (ENGLISH): COMPOSITIONS AND METHODS FOR TREATMENT OF MITOCHONDRIAL DISEASES  
TITLE (FRENCH): COMPOSITIONS ET PROCEDES DE TRAITEMENT DES MALADIES MITOCHONDRIALES  
INVENTOR(S): VON BORSTEL, Reid, W.  
PATENT ASSIGNEE(S): PRO-NEURON, INC.;  
VON BORSTEL, Reid, W.  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2000011952	A1	20000309

DESIGNATED STATES  
W:  
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK  
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL  
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN  
YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ  
MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU  
MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD  
TG

APPLICATION INFO.: WO 1999-US19725 A 19990831  
PRIORITY INFO.: US 1998-09/144,096 19980831

L4 ANSWER 8 OF 13 PCTFULL COPYRIGHT 2006 Univentio on STN  
ACCESSION NUMBER: 1996001115 PCTFULL ED 20020514  
TITLE (ENGLISH): PYRIMIDINE NUCLEOTIDE PRECURSORS FOR



TREATMENT OF SYSTEMIC INFLAMMATION AND INFLAMMATORY  
HEPATITIS

TITLE (FRENCH): PRECURSEURS DE NUCLEOTIDES DE **PYRIMIDINE**,  
SERVANT DANS LE TRAITEMENT DES INFLAMMATIONS  
SYSTEMIQUES ET DE L'HEPATITE INFLAMMATOIRE

INVENTOR(S): **VON BORSTEL, Reid, W.;**  
BAMAT, Michael, K.;  
HILTBRAND, Bradley, M.

PATENT ASSIGNEE(S): PRO-NEURON, INC.

LANGUAGE OF PUBL.: English

DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9601115	A1	19960118

DESIGNATED STATES

W: AU CA CN JP KR MX AT BE CH DE DK ES FR GB GR IE IT LU  
MC NL PT SE

APPLICATION INFO.: WO 1995-US8259 A 19950630

PRIORITY INFO.: US 1994-266,897 19940701

L4 ANSWER 9 OF 13 PCTFULL COPYRIGHT 2006 Univentio on STN  
ACCESSION NUMBER: 1994026761 PCTFULL ED 20020513

TITLE (ENGLISH): TREATMENT OF CHEMOTHERAPEUTIC AGENT AND  
**ANTIVIRAL** AGENT TOXICITY WITH ACYLATED  
**PYRIMIDINE** NUCLEOSIDES

TITLE (FRENCH): TRAITEMENT DE LA TOXICITE DES AGENTS  
CHIMIOTHERAPEUTIQUES ET DES AGENTS ANTIVIRAUX AVEC DES  
NUCLEOSIDES DE **PYRIMIDINE** ACYLES

INVENTOR(S): **VON BORSTEL, Reid, Warren;**  
BAMAT, Michael, Kevin

PATENT ASSIGNEE(S): PRO-NEURON, INC.

LANGUAGE OF PUBL.: English

DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9426761	A1	19941124

DESIGNATED STATES

W: AU CA JP KR AT BE CH DE DK ES FR GB GR IE IT LU MC NL  
PT SE

APPLICATION INFO.: WO 1993-US12689 A 19931230

PRIORITY INFO.: US 1993-8/061,381 19930514

L4 ANSWER 10 OF 13 PCTFULL COPYRIGHT 2006 Univentio on STN  
ACCESSION NUMBER: 1994013687 PCTFULL ED 20020513

TITLE (ENGLISH): **PYRIMIDINE** NUCLEOTIDE PRECURSORS FOR  
TREATMENT OF SYSTEMIC INFLAMMATION AND INFLAMMATORY  
HEPATITIS

TITLE (FRENCH): PRECURSEURS DE NUCLEOTIDES DE **PYRIMIDINE**  
UTILISES POUR LE TRAITEMENT D'INFLAMMATIONS SYSTEMIQUES  
ET DE L'HEPATITE INFLAMMATOIRE

INVENTOR(S): **VON BORSTEL, Reid, Warren;**  
BAMAT, Michael, Kevin;  
HILTBRAND, Bradley, M.

PATENT ASSIGNEE(S): PRO-NEURON, INC.

LANGUAGE OF PUBL.: English

DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9413687	A1	19940623

DESIGNATED STATES

W: AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR  
KZ LK LU MG MN MW NL NO NZ PL PT RO RU SD SE SK UA VN  
AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ  
CF CG CI CM GA GN ML MR NE SN TD TG

APPLICATION INFO.: WO 1993-US11531 A 19931201

PRIORITY INFO.: US 1992-987,730 19921208

L4 ANSWER 11 OF 13 PCTFULL COPYRIGHT 2006 Univentio on STN  
ACCESSION NUMBER: 1993001202 PCTFULL ED 20020513  
TITLE (ENGLISH): TREATMENT OF CHEMOTHERAPEUTIC AGENT AND  
**ANTIVIRAL** AGENT TOXICITY WITH ACYLATED  
**PYRIMIDINE** NUCLEOSIDES  
TITLE (FRENCH): TRAITEMENT D'UN AGENT CHIMIOOTHERAPEUTIQUE ET DE LA  
TOXICITE D'UN AGENT **ANTIVIRAL** PAR DES  
NUCLEOSIDES DE **PYRIMIDINE** ACYLEE  
INVENTOR(S): **VON BORSTEL, Reid, W.;**  
BAMAT, Michael, K.  
PATENT ASSIGNEE(S): PRO-NEURON, INC.  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 9301202	A1	19930121

DESIGNATED STATES  
W: AU BR CA FI JP KR NO AT BE CH DE DK ES FR GB GR IT LU  
MC NL SE  
APPLICATION INFO.: WO 1992-US5324 A 19920625  
PRIORITY INFO.: US 1991-724,340 19910705

L4 ANSWER 12 OF 13 PCTFULL COPYRIGHT 2006 Univentio on STN  
ACCESSION NUMBER: 1989010129 PCTFULL ED 20020513  
TITLE (ENGLISH): PHARMACEUTICAL COMPOSITION CONTAINING  
DEOXYRIBONUCLEOSIDES FOR WOUND HEALING  
TITLE (FRENCH): COMPOSES PHARMACEUTIQUES CONTENANT DES  
DESOXYRIBONUCLEOSIDES POUR LA GUERISON DES PLAIES  
INVENTOR(S): **VON BORSTEL, Reid, Warren;**  
BAMAT, Michael, Kevin  
PATENT ASSIGNEE(S): PRO-NEURON, INC.  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 8910129	A1	19891102

DESIGNATED STATES  
W: AT AU BE CH DE DK FI FR GB IT JP KR LU NL NO SE SU  
APPLICATION INFO.: WO 1989-US1728 A 19890421  
PRIORITY INFO.: US 1988-186,031 19880425

L4 ANSWER 13 OF 13 PCTFULL COPYRIGHT 2006 Univentio on STN  
ACCESSION NUMBER: 1989003838 PCTFULL ED 20020513  
TITLE (ENGLISH): ACYL DEOXYRIBONUCLEOSIDE DERIVATIVES AND USES THEREOF  
TITLE (FRENCH): DERIVES DE DESOXYRIBONUCLEOSIDES D'ACYLE ET LEURS  
UTILISATIONS  
INVENTOR(S): **VON BORSTEL, Reid, Warren;**  
BAMAT, Michael, Kevin  
PATENT ASSIGNEE(S): PRO-NEURON, INC.;  
VON BORSTEL, Reid, Warren;  
BAMAT, Michael, Kevin  
LANGUAGE OF PUBL.: English  
DOCUMENT TYPE: Patent  
PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 8903838	A1	19890505

DESIGNATED STATES  
W: AT AU BE BR CH DE DK FI FR GB IT JP KR LU NL NO SE SU  
US  
APPLICATION INFO.: WO 1988-US3824 A 19881027  
PRIORITY INFO.: US 1987-115,923 19871028